

## WHAT IS CLAIMED IS:

1. The method of controlling resources in a computer system having a plurality of resources available to it, said method comprising the steps of:

monitoring selected ones of said resources to obtain data pertaining to the availability of each said monitored resource;

comparing said obtained data against an estimated requirement for said resources to arrive at a prediction of system requirements; and

providing a signal when said prediction varies from a predicted limit.

2. The method of claim 1 further including the step of:

performing at least one calculation with respect to certain of said obtained data.

3. The method of claim 1 further including the step of:

without user intervention, enabling the addition of resources under control of said signal providing step when said prediction indicates that the resources are below said limit.

4. The method of claim 1 further including the step of:

without user intervention, enabling the reduction of resources under control of said signal providing step when said prediction indicates that the required resources are above said limit.

5. The method of claim 1 wherein said comparing step includes the step of: storing historical data on resource usage.

6. The method of claim 1 wherein said signal is in graphical form on a resource by resource basis.

7. The method of claim 1 wherein said comparing step includes the step of: analyzing all available applications as a function of at least one system resource.

8. The method of claim 1 wherein said resources are selected from the set of resources, including memory, CPU, Disk, available ports, and network resources.

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9. The method of controlling resources in a computer system having a plurality of resources available to it, said method comprising the steps of:

monitoring selected ones of said resources to obtain data pertaining to the availability of each said monitored resource;

comparing said obtained data against an estimated requirement for said resources to arrive at a prediction of system requirements; and

without user intervention, enabling an adjustment in resources under control of said comparing step.

10. The method of claim 9 further including the step of:

performing at least one calculation with respect to certain of said obtained data.

11. The method of claim 9 wherein said enabling step includes adding resources to said system from a remote location.

12. The method of claim 9 wherein said enabling step includes removing resources from said system.

13. The method of claim 9 wherein said comparing step includes the step of storing historical data on resource usage.

14. The method of claim 9 wherein said comparing step includes the step of: analyzing all available applications as a function of at least one system resource.

15. A system for controlling resources in a computer system having a plurality of resources available to it, the system comprising:

means for monitoring selected ones of said resources to obtain data pertaining to the availability of each said monitored resource;

means for comparing said obtained data against an estimated requirement for said resources to arrive at a prediction of system requirements; and

means for providing a signal when said prediction varies from a predicted limit.

16. The system of claim 15 further comprising:

means for performing at least one calculation with respect to certain of said obtained data.

17. The system of claim 15 further comprising:

means operable without user intervention for enabling the addition of resources under control of said signal when said prediction indicates that the resources are below said limit.

18. The system of claim 15 further comprising:

means operable without user intervention for enabling the reduction of resources under control of said signal when said prediction indicates that the required resources are above said limit.

19. The system of claim 15 further comprising:

means for storing historical data on resource usage.

20. The system of claim 15 wherein said signal is in graphical form on a resource by resource basis.

21. The system of claim 15 further comprising:  
means for analyzing all available applications as a function of at least one system resource.

22. The system of claim 15 wherein said resources are selected from the set of resources, including memory, CPU, Network, Disk, available ports, and network resources.

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23. The system of controlling resources in a computer system having a plurality of resources available to it, said method comprising the steps of:

monitoring selected ones of said resources to obtain data pertaining to the availability of each said monitored resource;

comparing said obtained data against an estimated requirement for said resources to arrive at a prediction of system requirements; and

without user intervention, enabling an adjustment in resources under control of said comparing step.

24. The system of claim 23 further including the step of:

performing at least one calculation with respect to certain of said obtained data.

25. The system of claim 23 wherein said enabling step includes adding resources to said system from a remote location.

26. The system of claim 23 wherein said enabling step includes removing resources from said system.

27. The system of claim 23 wherein said comparing step includes the step of storing historical data on resource usage.

28. The system of claim 23 wherein said comparing step includes the step of: analyzing all available applications as a function of at least one system resource.

29. The computer program product operational in conjunction with a processor for controlling resources in a computer system having a plurality of resources available to it, said product comprising:

a monitor for monitoring selected ones of said resources to obtain data pertaining to the availability of each said monitored resource;

a comparator for comparing said obtained data against an estimated requirement for said resources to arrive at a prediction of system requirements; and

means operable without user intervention for enabling an adjustment in resources under control of said comparing step.

30. The computer product of claim 29 further including:

means operable in cooperation with said comparator for performing at least one calculation with respect to certain of said obtained data.

31. The computer product of claim 29 wherein said means for enabling includes adding resources to said system from a remote location.

32. The computer product of claim 29 wherein said means for enabling includes removing resources from said system.

33. The computer product of claim 29 wherein said comparator includes means for storing historical data on resource usage.

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